STIC
Scientific & Technical Information Center

85

EIC 2600
SEARCH REQUEST

26/1942

Today's Date 5/29/08

Name _Michael Horabik_

AU/Org. _2600_   Examiner # _65691_

Bld.&Rm.# _Jef 2D69_ Phone _2x3068_

Priority App. Filing Date _____

Case/App. # _10/615, 557_

Format for Search Results

EMAIL ___   PAPER ___

If this is a Board of Appeals case, check here ☐

Please attach claims, background, etc.

Synonyms _____
_____

Describe this invention in your own words. _litigation search_
_____
_10/615, 557_
_____

Terms to avoid _reissue of 6, 259, 432_

Additional Comments

SPE Signature here indicates Rush _____

STIC USE ONLY   13,71

Searcher _Rhynes_   Date Picked Up _5-30-08_   Date Completed _5-30-08_

Phone _____   Sources _____   12/07

Query/Command : PRT SS 1 MAX 1 LEGALALL

1 / 1   FAMPAT - ©Questel - image

Family Accession Nbr :

20042790535406

Patent Number :

JP11065811 A 19990309 [JP11065811]

US6259432 B1 20010710 [US6259432]

Title :

Information processing apparatus for improved intuitive scrolling utilizing an enhanced cursor

Patent Assignee :

IBM

Orig. Patent Assignee :

International Business Machines Corporation, Armonk NY [US]

Inventor(s) :

YAMADA SATURO; TSUCHIYA KAZUO; KATO NAOTAKA

Application Nbr :

1997JP-0216198 19970811; 1998US-0119299 19980720

Priority Details :

1997JP-0216198 19970811

IPC :

G06F-003/033
G06F-003/038
G06F-003/048
G06F-003/14
G09G-005/08
G09G-005/34

IPC Advanced All :

G06F-003/14 [2006-01 A F I R M JP]; G06F-003/033 [2006-01 A - I R M EP]; G06F-003/038 [2006-01 A - I R M EP]; G06F-003/048 [2006-01 A L I R M JP]; G09G-005/08 [2006-01 A - I R M EP]

IPC Core All :

G06F-003/14 [2006 C F I R M JP]; G06F-003/033 [2006 C - I R M EP]; G06F-003/048 [2006 C L I R M JP]; G09G-005/08 [2006 C - I R M EP]

ECLA :

G06F-003/038
G06F-003/048A1S
G09G-005/08

US Class :

ORIGINAL (O) : 345159000; CROSS-REFERENCE (X) : 715784000 715856000

FI-Terms :

G06F3/14 340A; G06F3/14 360D; G06F3/00 654A; G06F3/00 656D; G06F3/048 654A; G06F3/048 656D

F-Terms (File forming terms) :

5B069 BA01; 5B069 BC02; 5B069 CA08; 5B069 CA09; 5B069 CA12; 5B069 DD01; 5E501 FA05; 5E501 FA06; 5E501 FA32; 5E501 FB03; 5E501 FB22; 5E501 FB32; 5E501 FB43; 5E501 AA02; 5E501 AA14; 5E501 AB15; 5E501 AC18; 5E501 AC25; 5E501 BA03; 5E501 CA03; 5E501 CA04; 5E501 CB02; 5E501 CB04; 5E501 CB05; 5E501 CB09; 5E501 CB10; 5E501 CB11; 5E501 DA02; 5E501 DA05; 5E501 DA10; 5E501 DA12; 5E501 EA05; 5E501 EA06; 5E501 EB01; 5E501 EB05; 5E501 FA02; 5E501 FA03; 5E501 FA04

Citations :

(US6259432)
Cited in the search report
-US5528260(A)[US5528260]
-US5734891(A)[US5734891]
-US6016110(A)[US6016110]
-Moseley, Lonnie E.; Boodey, David M.; Microsoft Office 97 Professional Edition, pp. 120-121, Jan. 1996.

Citations :

(JP11065811)
(A)
[19] Citation as reason for refusal of an application
- JP (A) 1984114628 [JP59114628]
- JP (A) 1997152856 [JP09152856]
- JP (A) 1990028695 [JP02028695]
- JP (A) 1993134653 [JP05134653]
- JP (A) 1990266398 [JP02266398]
- JP (A) 1996095739 [JP08095739]

Abstract :

(US6259432)
An information processing apparatus that can adjust the scrolling speed for data displayed in an application window on a display and display a visual scrolling speed indicator. When the user manipulates a mouse to request scrolling of data in a window, the display form of the mouse cursor is changed. That is, in addition to the mouse cursor, one or more speed indicators appears in the scrolling direction. The number of speed indicators which are displayed corresponds to the scrolling speed. The speed indicators are arranged from the center of the mouse cursor in the scrolling direction. A speed indicator is shaped like a small isosceles triangle, and as its vertex is facing in the scrolling direction, it is a very effective visual aid for a user. Preferably, one speed indicator is displayed for a low scrolling speed, two for a moderate scrolling speed and three for a high speed scrolling. Since the speed indicators are extended in the scrolling direction in accordance with the current scrolling speed, a user can intuitively and quantitatively comprehend the scrolling speed and direction. Since the speed indicator is displayed in the vicinity of the mouse cursor, a user does not need to remove his or her eyes from a focus point on the display screen and the continuity of the operation can be maintained.

Object of Invention :

(US6259432)
The present invention relates to an information processing apparatus that permits data entry using a pointing device, such as a mouse, under a GUI (Graphical User Interface) environment, and in particular to an information processing apparatus that can adjust the

scrolling speed for data displayed in a work window of a display.

More specifically, the present invention pertains to an information processing apparatus that can adjust the scrolling speed for data displayed in a work window using a pointing device, and that can visually provide a scrolling speed.

Another object of the present invention is to provide an information processing apparatus that can adjust the scrolling speed for data displayed in an application window on a display (or the total volume to be traveled when scrolling is performed in response to a single scrolling instruction).

An additional object of the present invention is to provide an information processing apparatus that can employ a pointing device to adjust the scrolling speed for data displayed in an application window, and that can set up and display a visual scrolling speed is indicator that enables a user to easily apprehend the scrolling speed.

According to a second aspect of the present invention, an information processing apparatus having a mouse cursor display function comprises:

a display unit for displaying data on a bit mapped display screen; a pointing device having a coordinate displacement input means for inputting a coordinate displacement and having at least one button with which both clicking and releasing operations are permitted; mouse cursor control means for, while a specific button of the pointing device is released, moving a mouse cursor on the display screen in accordance with the coordinate displacement value input through the coordinate displacement input means; scroll control means for, while a specific button of the pointing device is clicked, scrolling the data on the display screen in accordance with the coordinate displacement value input through the coordinate displacement input means; and scrolling speed display means for displaying speed indicators in a number equivalent to a scrolling volume instructed by the coordinate displacement input means while scrolling data on the display screen.

Advantages / Prev.
Drawbacks :

(US6259432)

The other objects, features, and advantages of the present invention will become apparent in due course during the detailed description of the preferred embodiment of the present invention, which will be given while referring to the accompanying drawings.

As is well known in the art, this causes data in the window to be scrolled in a desired direction.

It can be easily understood that, to resolve this problem, all that is needed is some method by which the current scrolling speed can be indicated.

In other words, it is still difficult to instantly and quantitatively comprehend the scrolling speed.

Independent Claims :

(US6259432)

1. An information processing apparatus having a mouse cursor display function, comprising:

a display unit for displaying data on a bit mapped display screen;

a pointing device for designating a coordinate location on said display screen, and for directing scrolling and setting a scrolling speed for data displayed on said display screen;

mouse cursor control means for displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;

scroll control means for scrolling the data on said display screen in accordance with a display data scrolling instruction from said pointing device; and

scrolling speed display means for displaying a number of speed indicators during scrolling, the number of displayed speed indicators corresponding to a relative scrolling speed set by

said pointing device while scrolling data on said display screen, and arranging the speed indicators in a scrolling direction relative to a center of said mouse cursor.

3. In a computing environment, an enhanced mouse cursor for indicating a direction and a relative speed of scrolling of data displayed in a window on a display screen of an information processing apparatus that designates a coordinate location using a pointing device, said enhanced mouse cursor comprising:

a mouse cursor body located at the coordinate location designated by using said pointing device; and

one or more speed indicators displayed in a number corresponding to a scrolling speed while scrolling data on said display screen, wherein said mouse cursor body does not move during scrolling, and the number of speed indicators displayed corresponds to a speed at which a user is moving the pointing device.

7. A control method for an information processing apparatus having a mouse cursor display function, said apparatus including a display unit for displaying data on a bit mapped display screen, and a pointing device for designating a coordinate location on said display screen and for directing scrolling and setting a scrolling speed of data displayed on said display screen, said control method comprising the steps of:

(a) displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;

(b) scrolling data on said display screen in accordance with a display data scrolling instruction from said pointing device; and

(c) displaying speed indicators in a number corresponding to a scrolling speed set by said pointing device while scrolling data on said display screen, and displaying the speed indicators in a scrolling direction relative to a center of said mouse cursor.

8. Computer readable code stored on computer readable storage medium and executable by a computer system that includes a display unit for displaying data on a bit mapped display screen' and a pointing device for designating a coordinate location on said display screen and for directing scrolling and setting a scrolling speed for data displayed on said display screen, said code comprising:

(a) a routine for displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;

(b) a routine for scrolling data on said display screen in accordance with a display data scrolling instruction from said pointing device; and

(c) a routine for modifying the mouse cursor to include speed indicators in a number which corresponds to a relative scrolling speed set by said pointing device while scrolling data on said display screen and displaying the speed indicators in a scrolling direction relative to a center of said mouse cursor.

Update New docs :

2000-08

---

1 / 1 LGST - ©EPO

Patent Number :

　US6259432 B1 20010710 [US6259432]

Application Number :

US11929998 19980720 [1998US-0119299]

Action Taken :

20031209 US/RF-A
REISSUE APPLICATION FILED

EFFECTIVE DATE: 20030708

20050804 US/AS-A
ASSIGNMENT
OWNER: LENOVO (SINGAPORE) PTE LTD., SINGAPORE; EFFECTIVE DATE:
20050520
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:INTERNATIONAL
BUSINESS MACHINES CORPORATION;REEL/FRAME:016891/0507

Update Code :

2007-26

---

1 / 1   CRXX - ©CLAIMS/RRX

Patent Number :

  📄 6,259,432 A 20010710 [US6259432]

Patent Assignee :

International Business Machines Corp

Actions :

20030708 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20031209
REISSUE REQUEST NUMBER: 10/615557
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2673

Reissue Patent Number:

20050804 REASSIGNED
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: INTERNATIONAL BUSINESS MACHINES CORPORATION, DATE
SIGNED: 05/20/2005

Assignee: LENOVO (SINGAPORE) PTE LTD., 7, CHANGI BUSINESS PARK
CENTRAL 1, SINGAPORE 486048, SINGAPORE

Reel 016891/Frame 0507

Contact: DANIEL M. GOLDFISHER, CLIFFORD CHANCE US LLP, 31 WEST 52ND
STREET, NEW YORK, NY 10019

Search statement   2

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6259432

July 10, 2001

Information processing apparatus for improved intuitive
scrolling utilizing an enhanced cursor

INVENTOR: Yamada, Saturo - Sagamihara, Japan (JP); Tsuchiya, Kazuo - Tokyo-to,
Japan (JP); Kato, Naotaka - Fujisawa, Japan (JP)

CORE TERMS: scrolling, mouse, display, cursor, screen, coordinate,
displacement, input, window, button ...

ENGLISH-ABST:

   An information processing apparatus that can adjust the scrolling speed for
data displayed in an application window on a display and display a visual
scrolling speed indicator. When the user manipulates a mouse to request
scrolling of data in a window, the display form of the mouse cursor is changed.
That is, in addition to the mouse cursor, one or more speed indicators appears
in the scrolling direction. The number of speed indicators which are displayed
corresponds to the scrolling speed. The speed indicators are arranged from the
center of the mouse cursor in the scrolling direction. A speed indicator is
shaped like a small isosceles triangle, and as its vertex is facing in the
scrolling direction, it is a very effective visual aid for a user. Preferably,
one speed indicator is displayed for a low scrolling speed, two for a moderate
scrolling speed and three for a high speed scrolling. Since the speed indicators
are extended in the scrolling direction in accordance with the current scrolling
speed, a user can intuitively and quantitatively comprehend the scrolling speed
and direction. Since the speed indicator is displayed in the vicinity of the

6,259,432 OR 6259432

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor
to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

6,259,432 OR 6259432

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor
to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

6,259,432 OR 6259432

Your search request has found no STORIES.

To edit the above request, use the arrow keys. Be sure to move the cursor
to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

LexisNexis· CourtLink·

Search Multiple Dockets & Documents | New, easy, fast. Try it!

| Enter keywords | **Search** Search Tips |

My CourtLink | **Search** | **Dockets & Documents** | **Track** | **Alert** | **Strategic Profiles** | **My Account**

Search > Patent Search > Searching

Patent Search 6259432 5/30/2008

No cases found.

Return to Search

(Charges for search still apply)

LexisNexis® | About LexisNexis | Terms & Conditions | Pricing | Privacy | Customer Support - 1-888-311-19
Copyright © 2008 LexisNexis®. All rights reserved.